

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2005/001443

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷: H04L12/14, H04M15/34, H04M15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: H04L, H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, PAJ, CPRS, CNKI: NGN/next w generation w network/near w generation w network, metering w pulse, pulse, meter+/bill+/charg+, MG/media w gateway, pulse w count+, pulse w interval, message?, on w off w signal/OO, brief w signal/BR

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JPA, 2001197222 (SOFT & HARD KK) 19.Jul.2001 (19.07.2001) see the whole document	1-12
A	WO,A1, 03056753 (TELEFONAKTIEBOLAGET ERICSSON L M) 10.Jul.2003 (10.07.2003) see the whole document	1-12
A	JPA, 2003274041 (FUJITSU LTD) 26.Sep.2003 (26.09.2003) see the whole document	1-12
A	EP,A2, 1439675 (NEC CORP) 21.Jul.2004 (21.07.2004) see the whole document	1-12
A	WO,A2, 0205538 (TELEFONAKTIEBOLAGET ERICSSON L M) 17.Jan.2002 (17.01.2002) see the whole document	1-12

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
02. Dec. 2005 (02.12.2005)

Date of mailing of the international search report
15 · DEC 2005 (15 · 12 · 2005)

Name and mailing address of the ISA/CN
The State Intellectual Property Office, the P.R.China
6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China
100088
Facsimile No. 86-10-62019451

Authorized officer

Cui Lei

Telephone No. (86-10)62084625

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2005/001443

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
JP2001197222 A	19.07.2001	NONE	
WO03056753 A1	10.07.2003	EP1461900 A1	29.09.2004
		US2003129962 A1	10.07.2003
		AU2003200846 A1	15.07.2003
		CA2471634 A1	10.07.2003
JP2003274041 A	26.09.2003	NONE	
EP1439675 A2	21.07.2004	CN1518306 A	04.08.2004
		JP2004222009 A	05.08.2004
		US2004158647 A1	12.08.2004
WO0205538 A2	17.01.2002	US6879820 B2	12.04.2005
		US2002006780 A1	17.01.2002
		AU0171199 A	21.01.2002